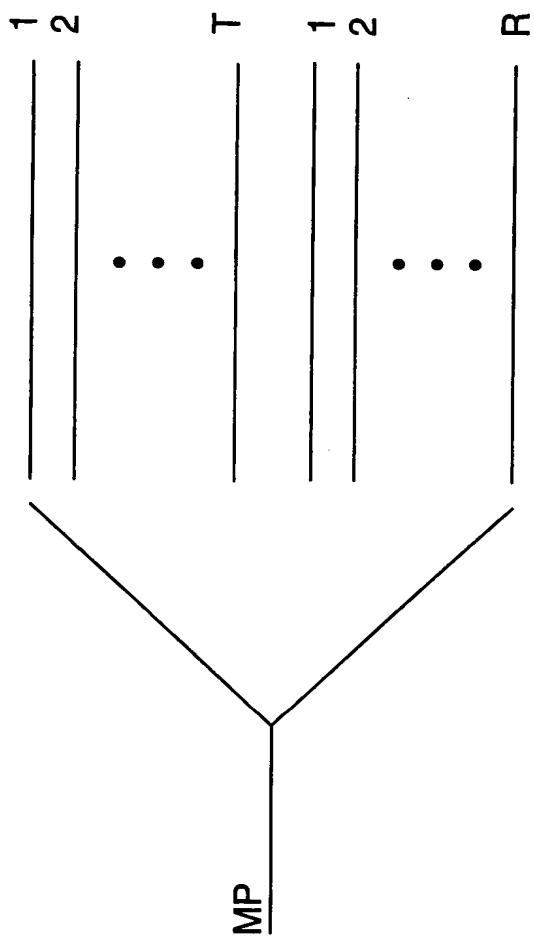
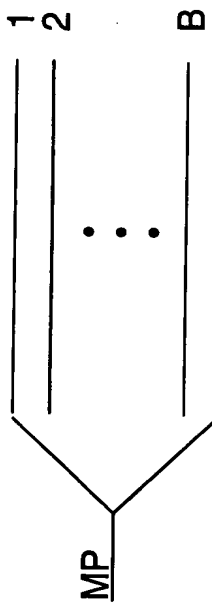


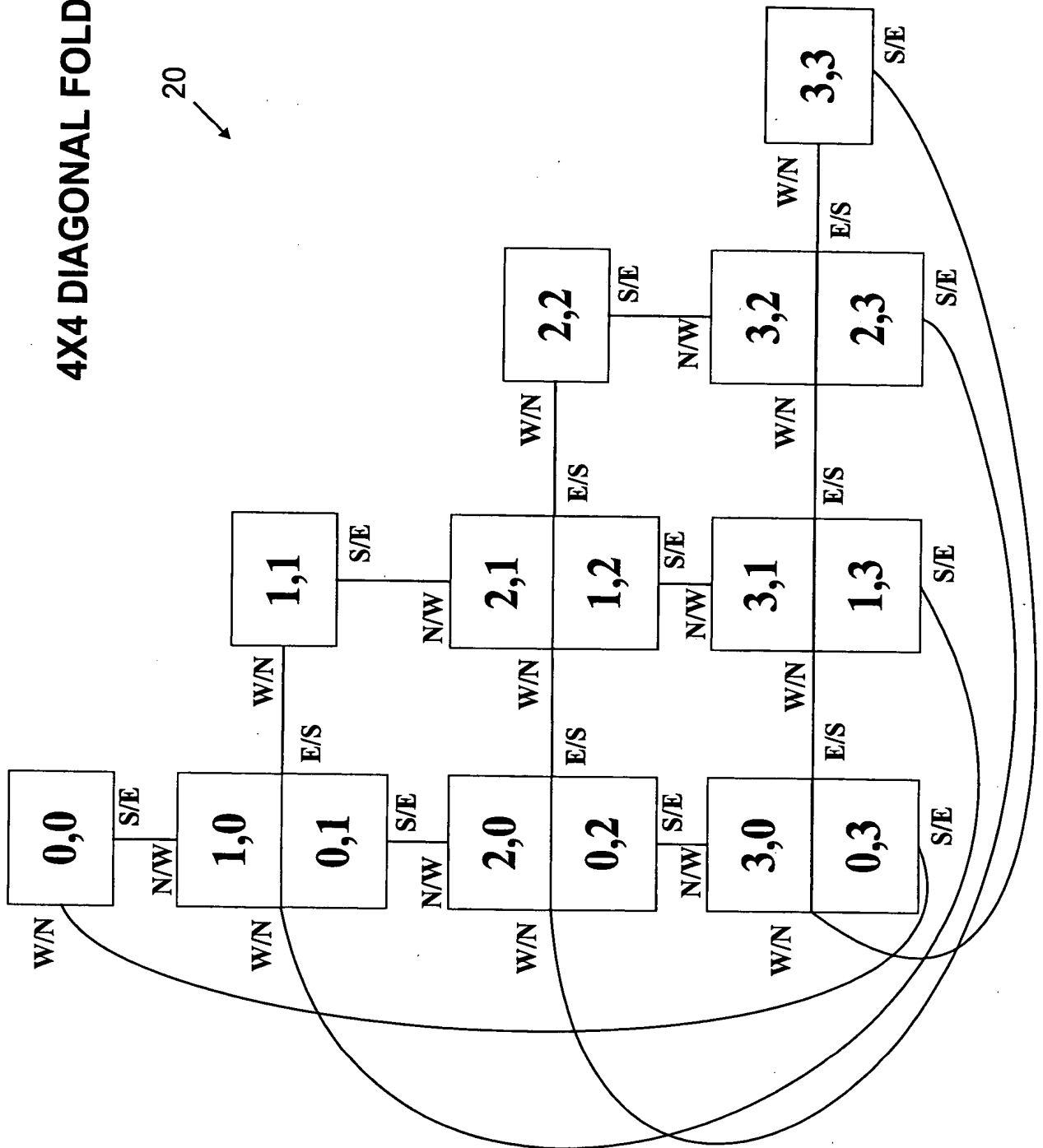
FIG. 1A  
(PRIOR  
ART)



**FIG. 1B**  
**(PRIOR ART)**



**FIG. 1C**  
**(PRIOR ART)**



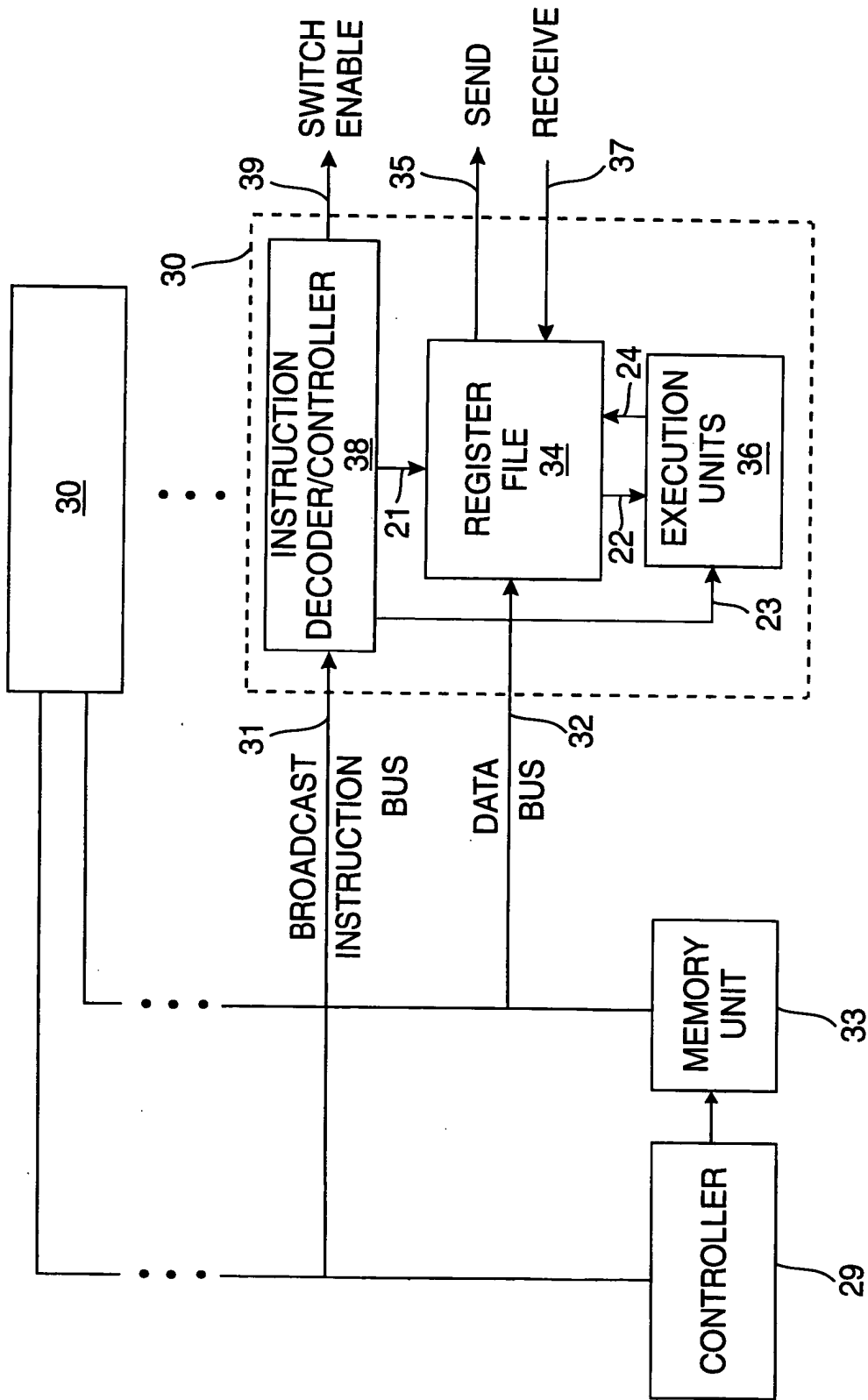
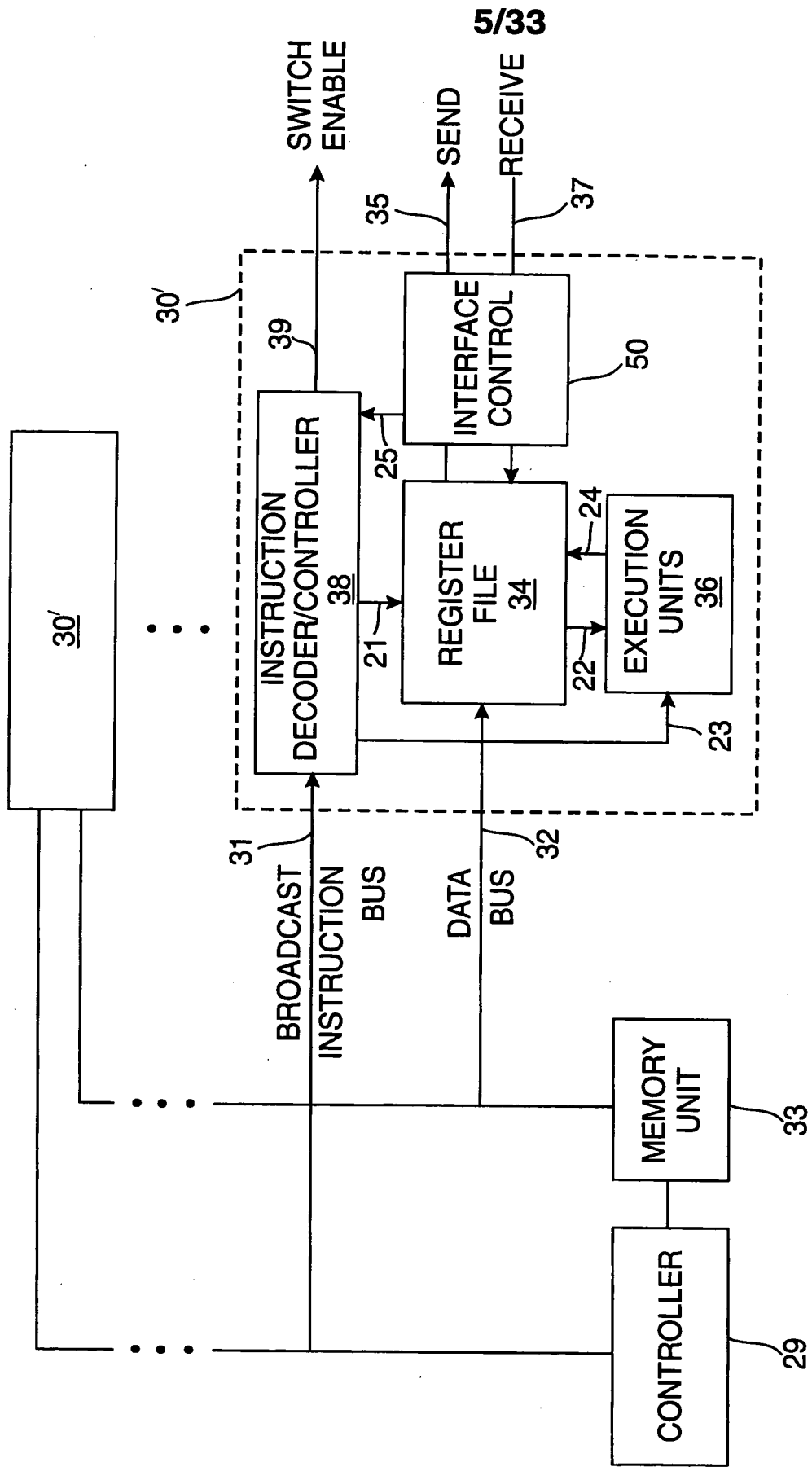


FIG. 3A



**FIG. 3B**

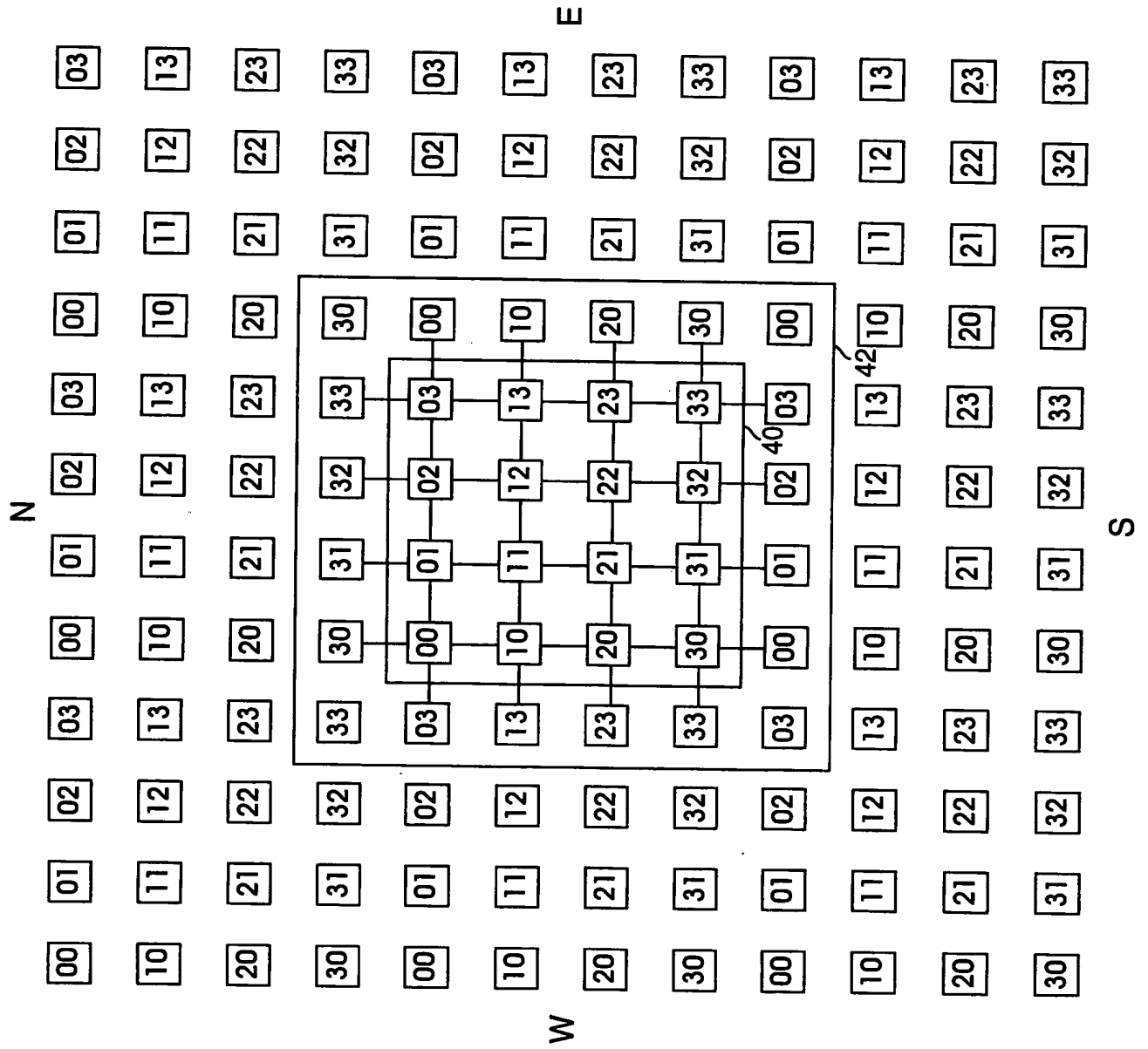


FIG. 4

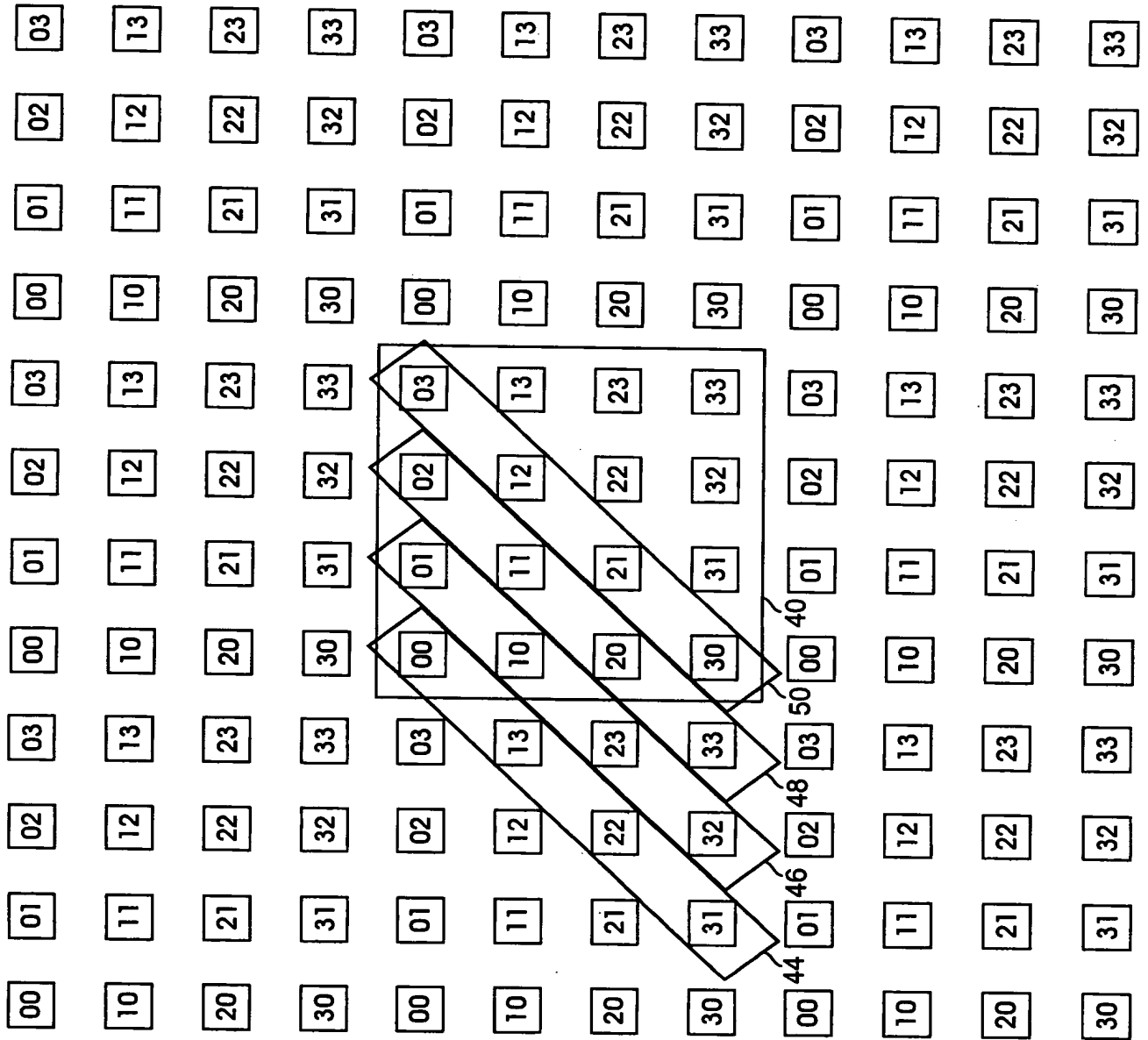


FIG. 5A

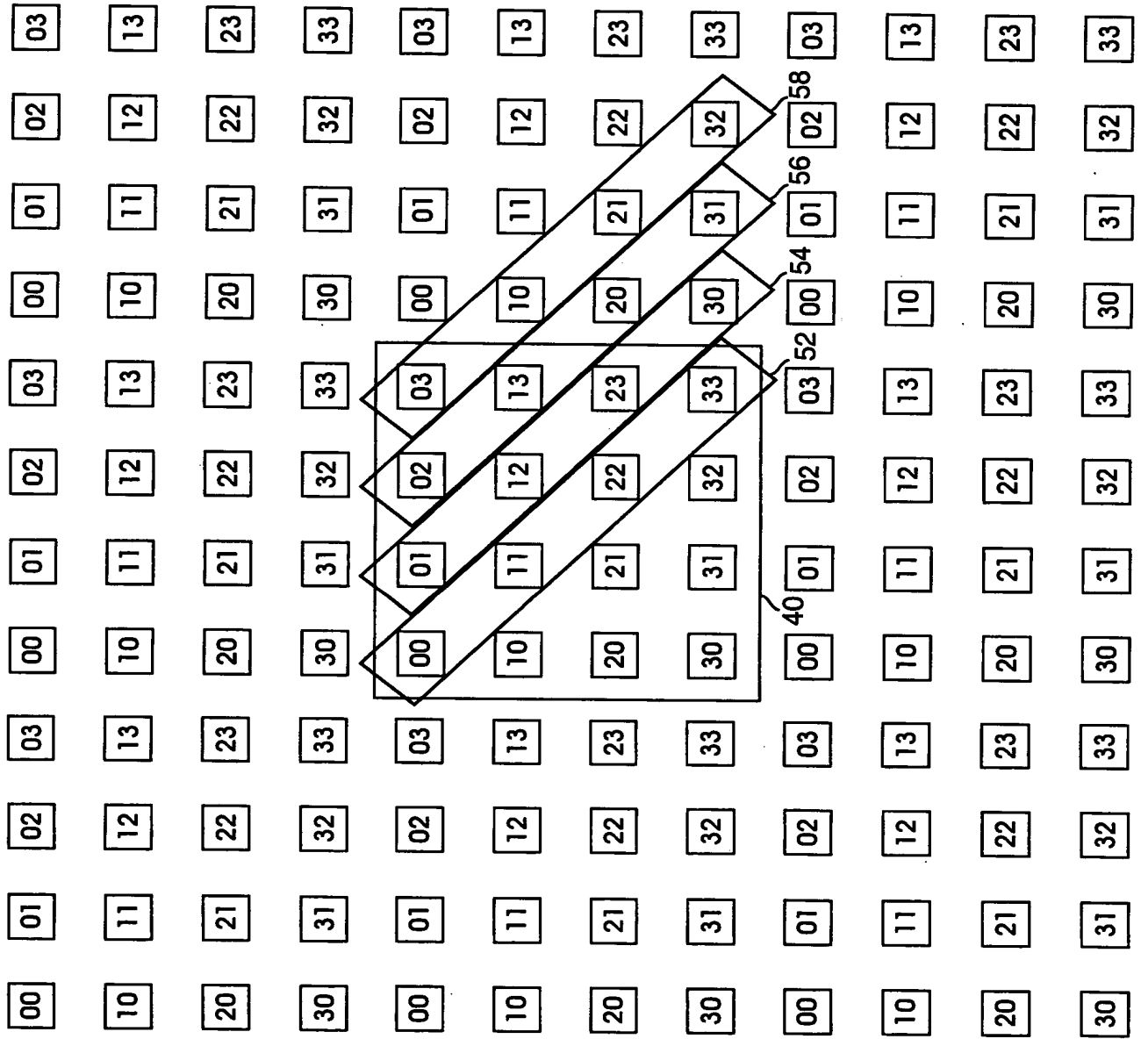


FIG. 5B



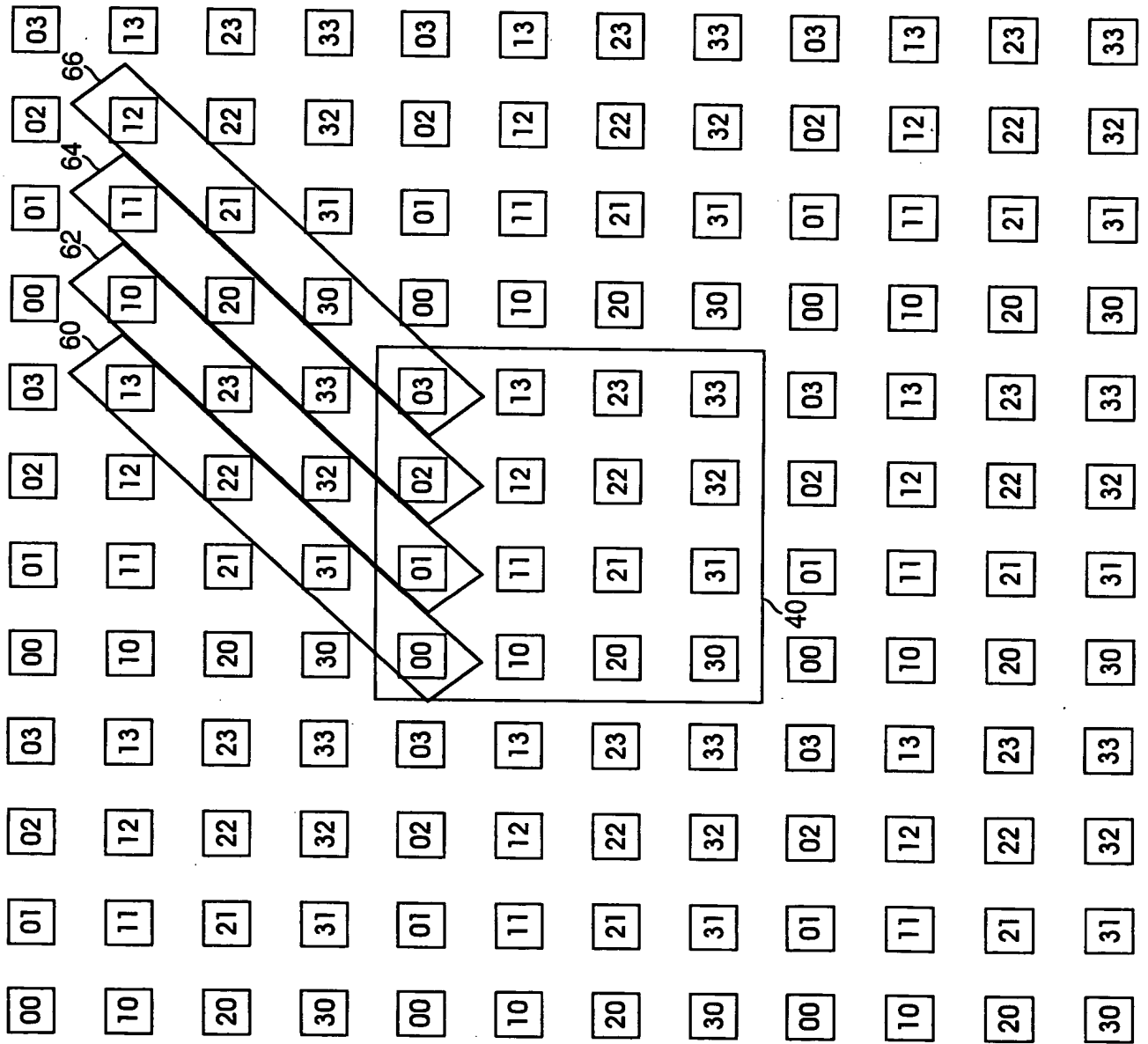


FIG. 5C

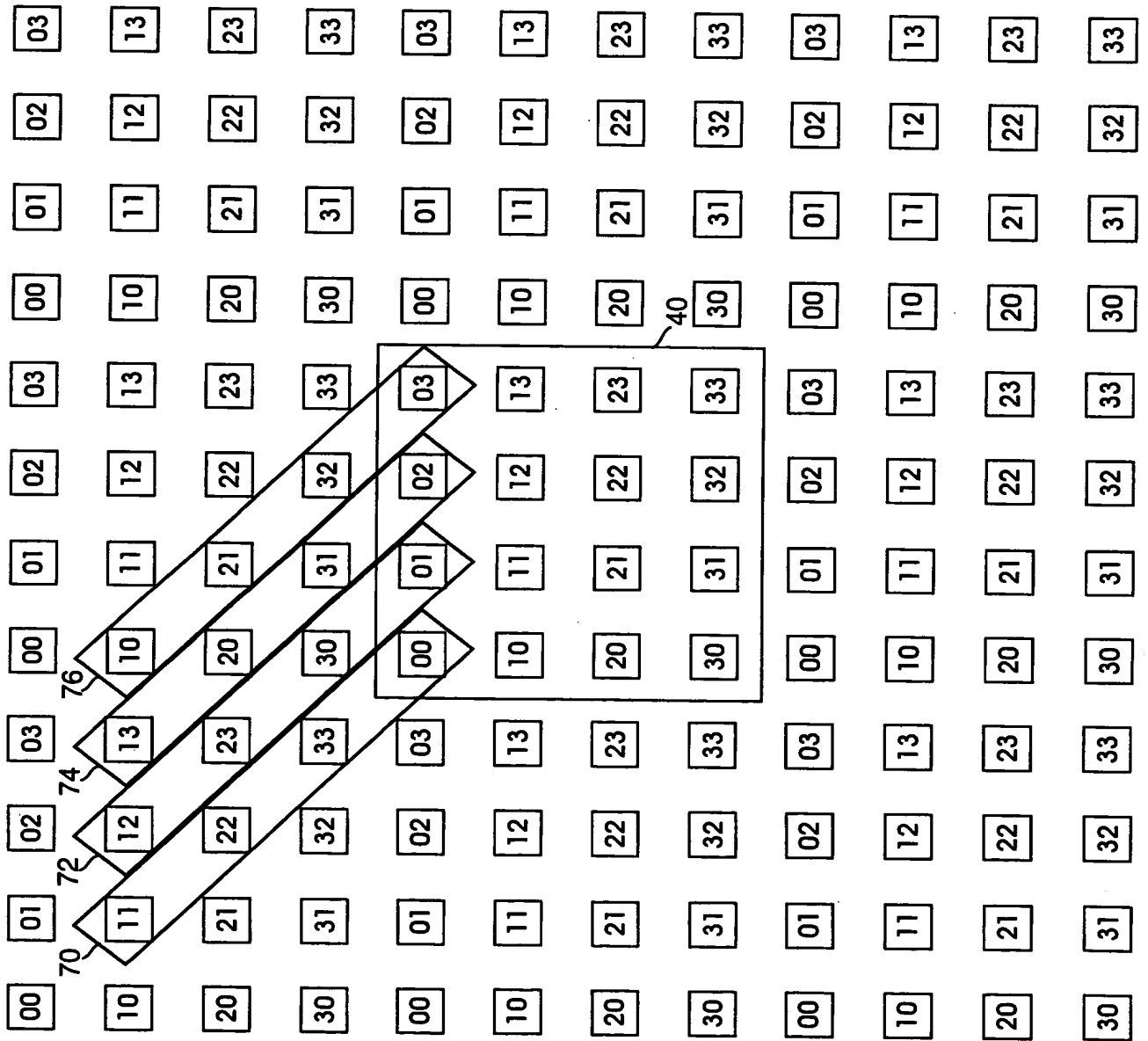


FIG. 5D

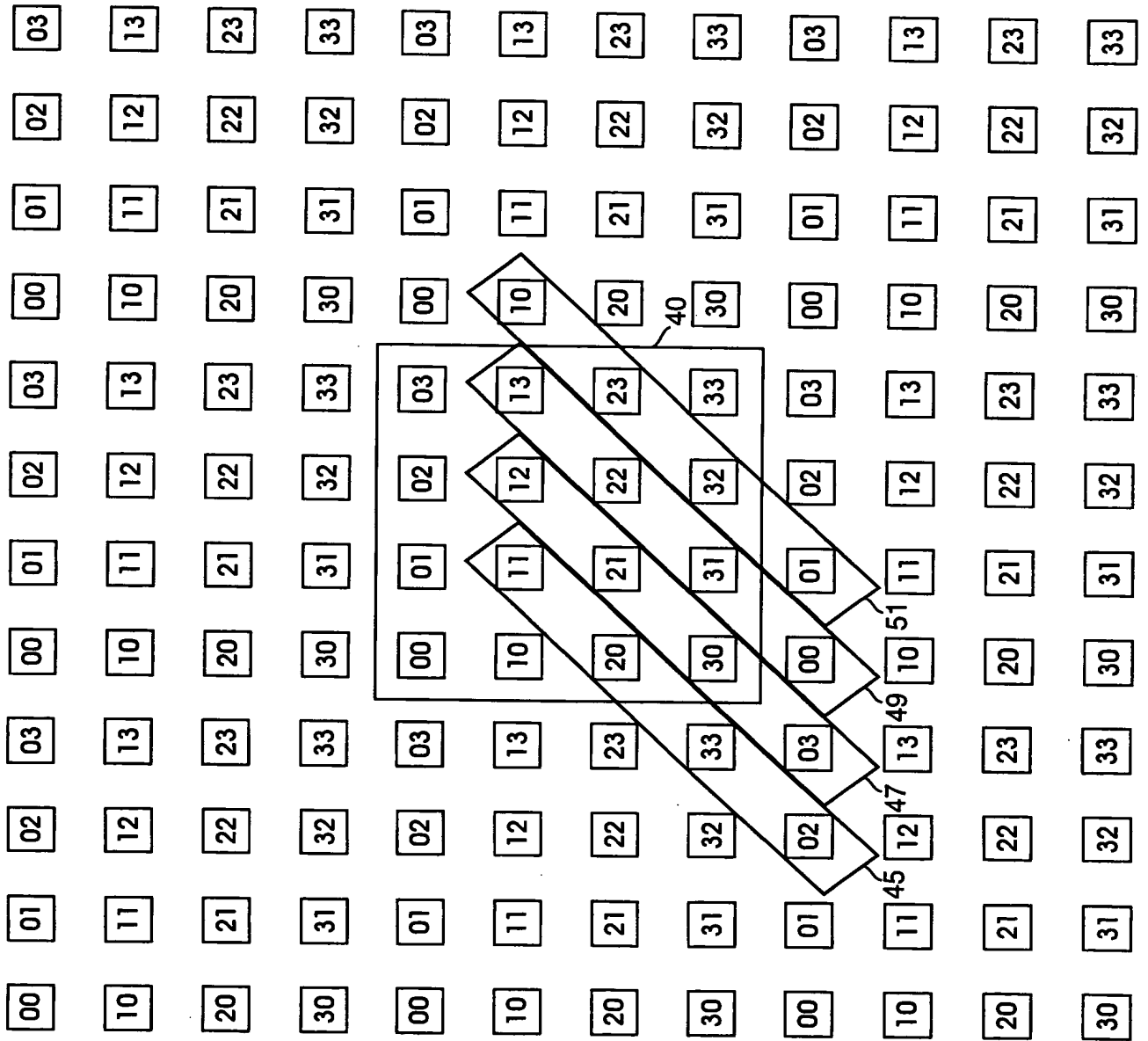
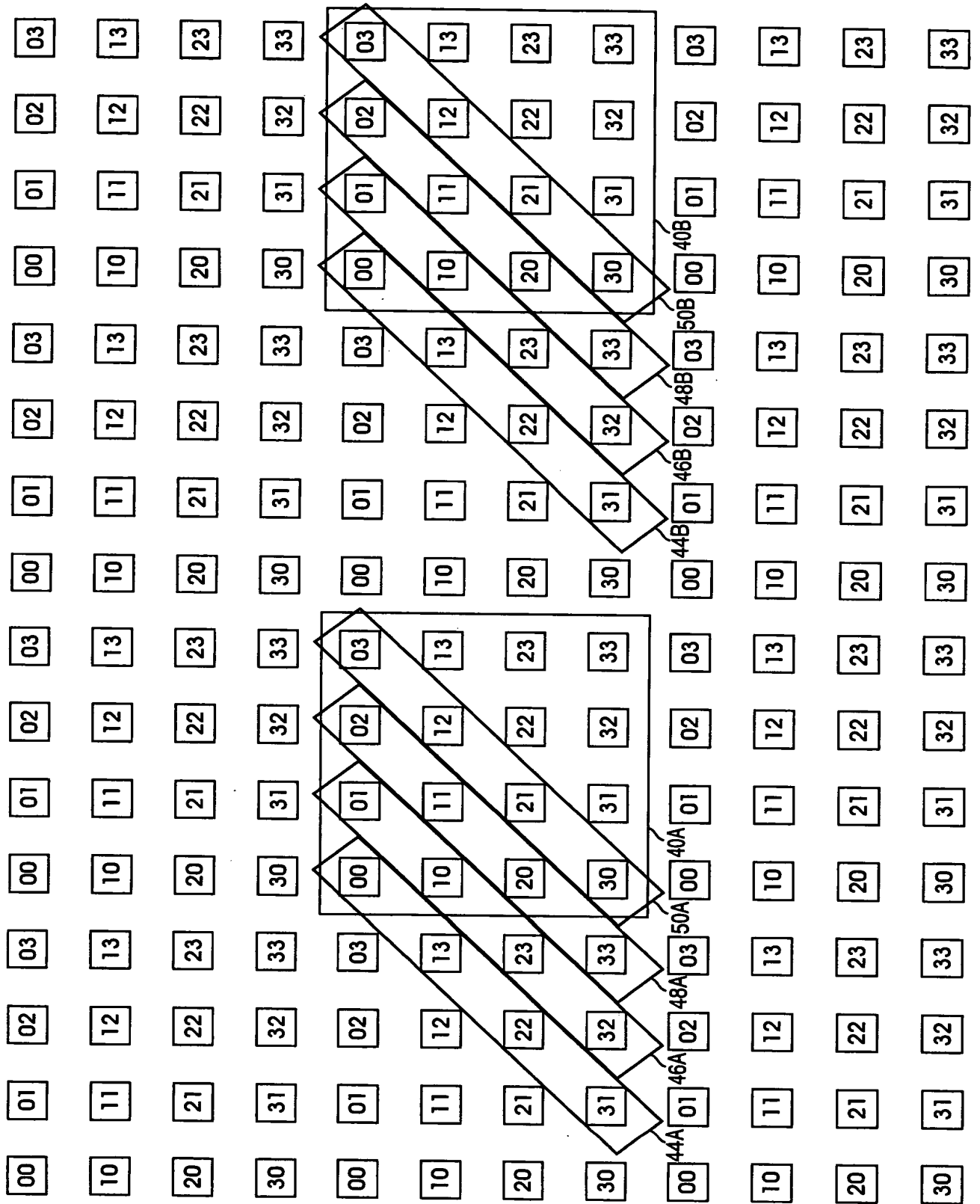


FIG. 5E







**FIG. 6**

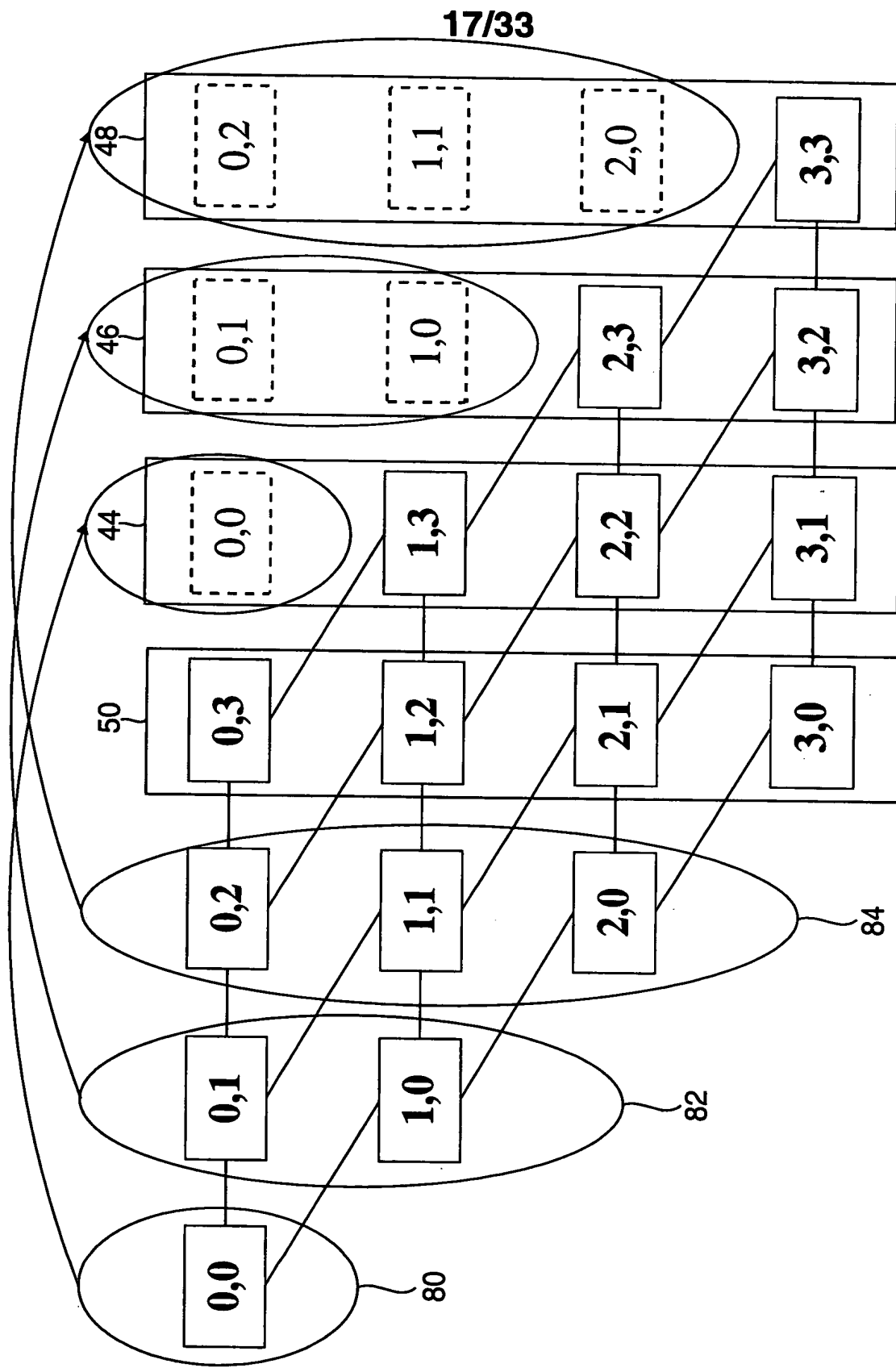
00	01	02	00	01	02	00	01	02
10	11	12	10	11	12	10	11	12
20	21	22	20	21	22	20	21	22
00	01	02	00	01	02	00	01	02
10	11	12	10	11	12	10	11	12
20	21	22	20	21	22	20	21	22
00	01	02	00	01	02	00	01	02
10	11	12	10	11	12	10	11	12
20	21	22	20	21	22	20	21	22
00	01	02	00	01	02	00	01	02
10	11	12	10	11	12	10	11	12
20	21	22	20	21	22	20	21	22

FIG. 7

00	01	02	03	04	00	01	02	03	04	00	01	02	03	04
10	11	12	13	14	10	11	12	13	14	10	11	12	13	14
20	21	22	23	24	20	21	22	23	24	20	21	22	23	24
00	01	02	03	04	00	01	02	03	04	00	01	02	03	04
10	11	12	13	14	10	11	12	13	14	10	11	12	13	14
20	21	22	23	24	20	21	22	23	24	20	21	22	23	24
00	01	02	03	04	00	01	02	03	04	00	01	02	03	04
10	11	12	13	14	10	11	12	13	14	10	11	12	13	14
20	21	22	23	24	20	21	22	23	24	20	21	22	23	24
00	01	02	03	04	00	01	02	03	04	00	01	02	03	04
10	11	12	13	14	10	11	12	13	14	10	11	12	13	14
20	21	22	23	24	20	21	22	23	24	20	21	22	23	24
00	01	02	03	04	00	01	02	03	04	00	01	02	03	04
10	11	12	13	14	10	11	12	13	14	10	11	12	13	14
20	21	22	23	24	20	21	22	23	24	20	21	22	23	24

FIG. 8





**FIG. 9**

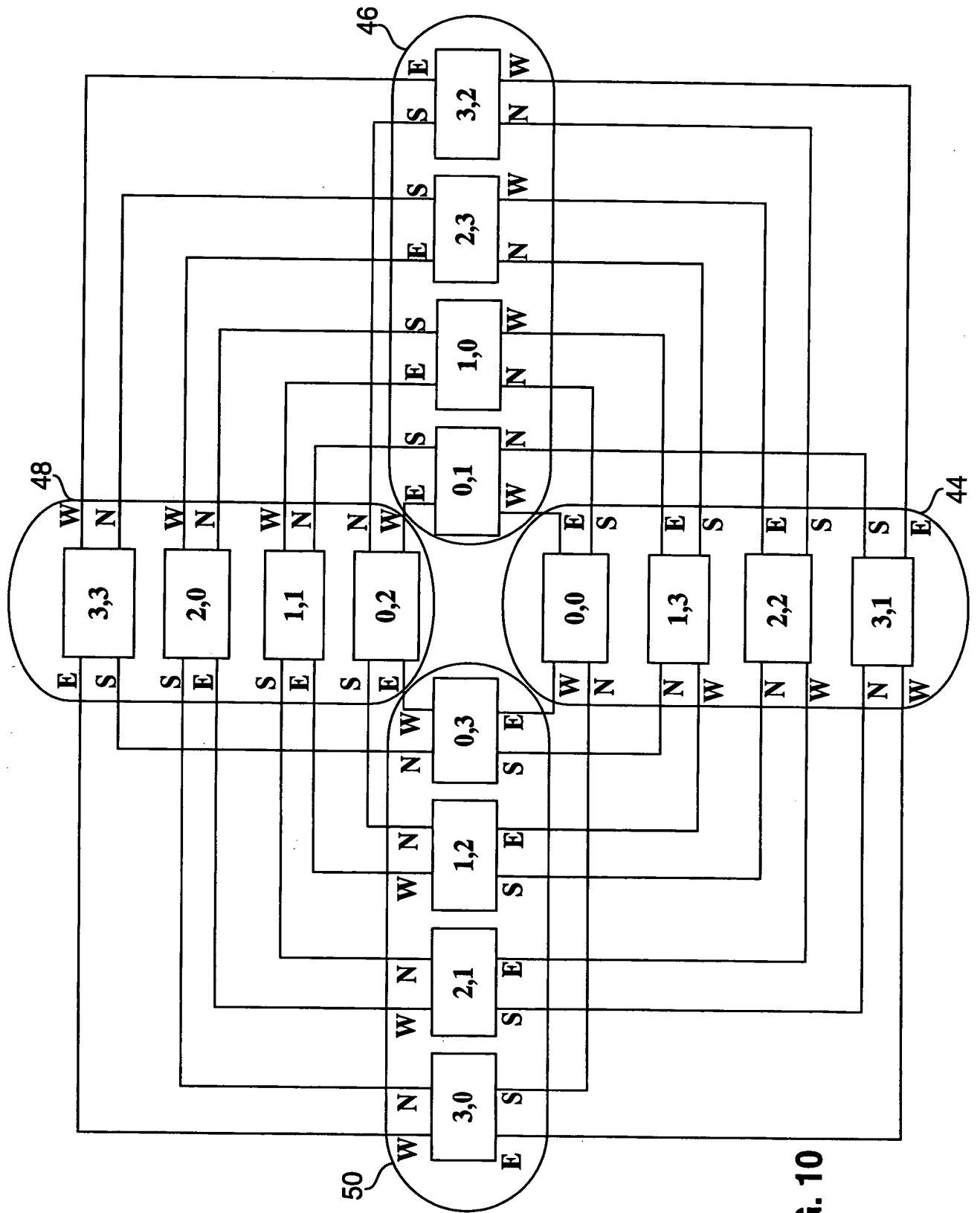
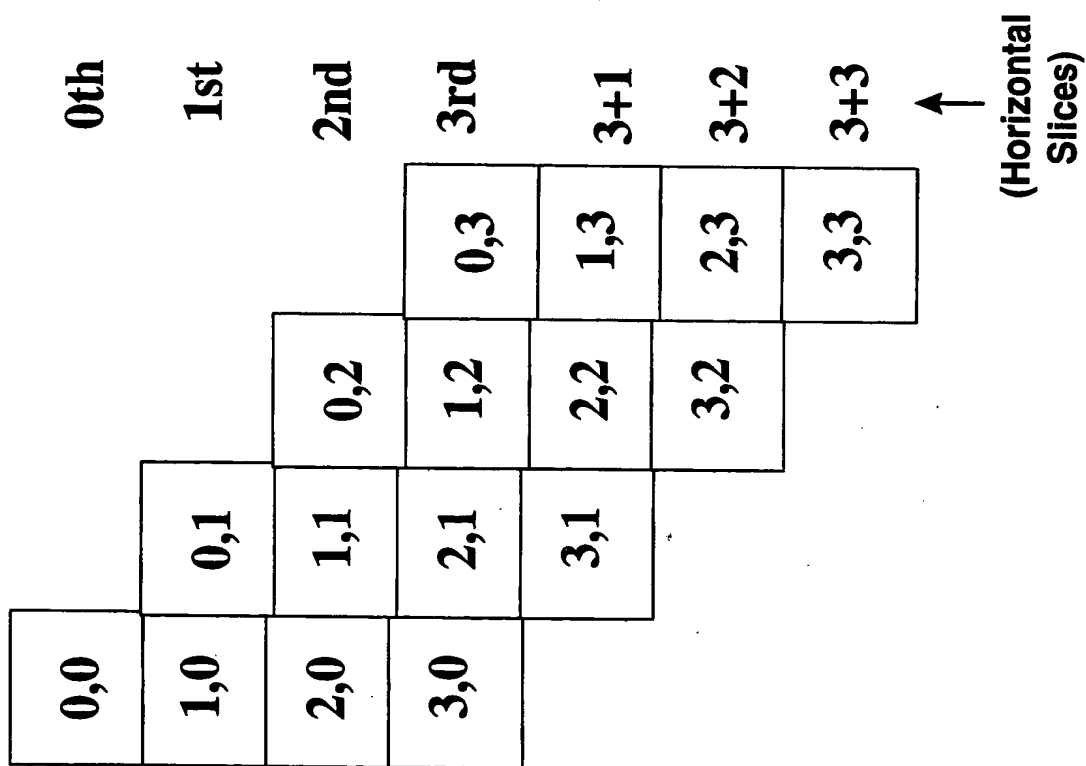
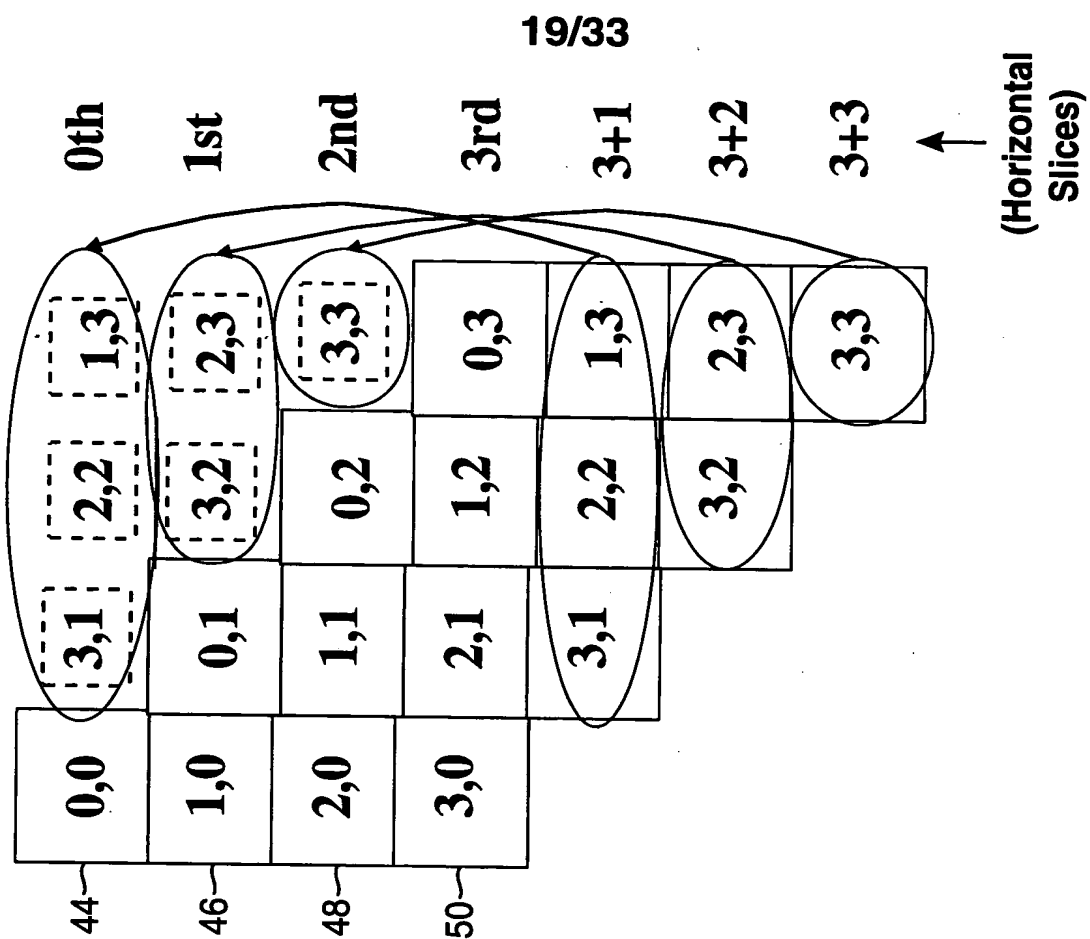


FIG. 10



4x4 Rhombus

FIG. 11A



4x4 Rhombus

FIG. 11B

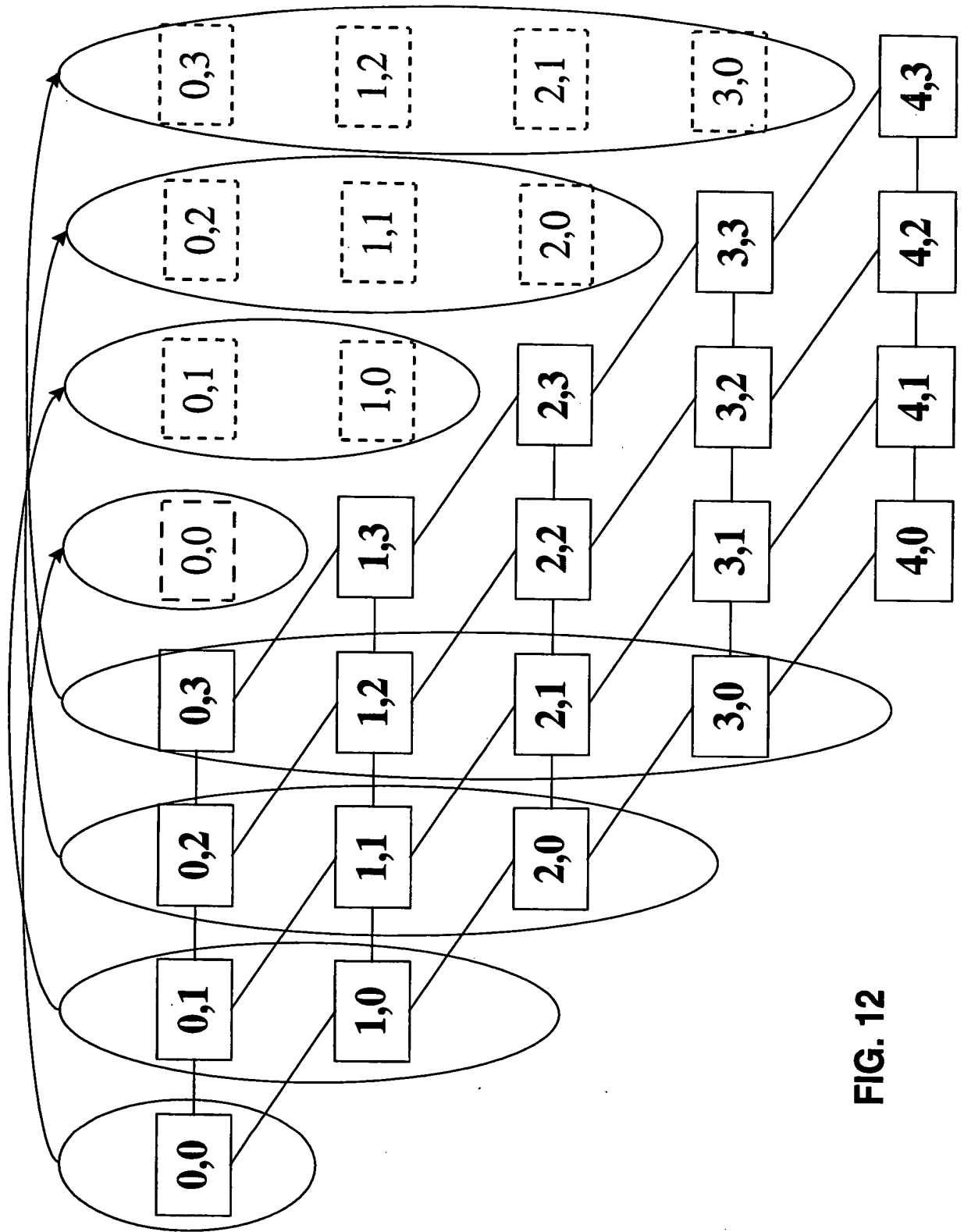


FIG. 12

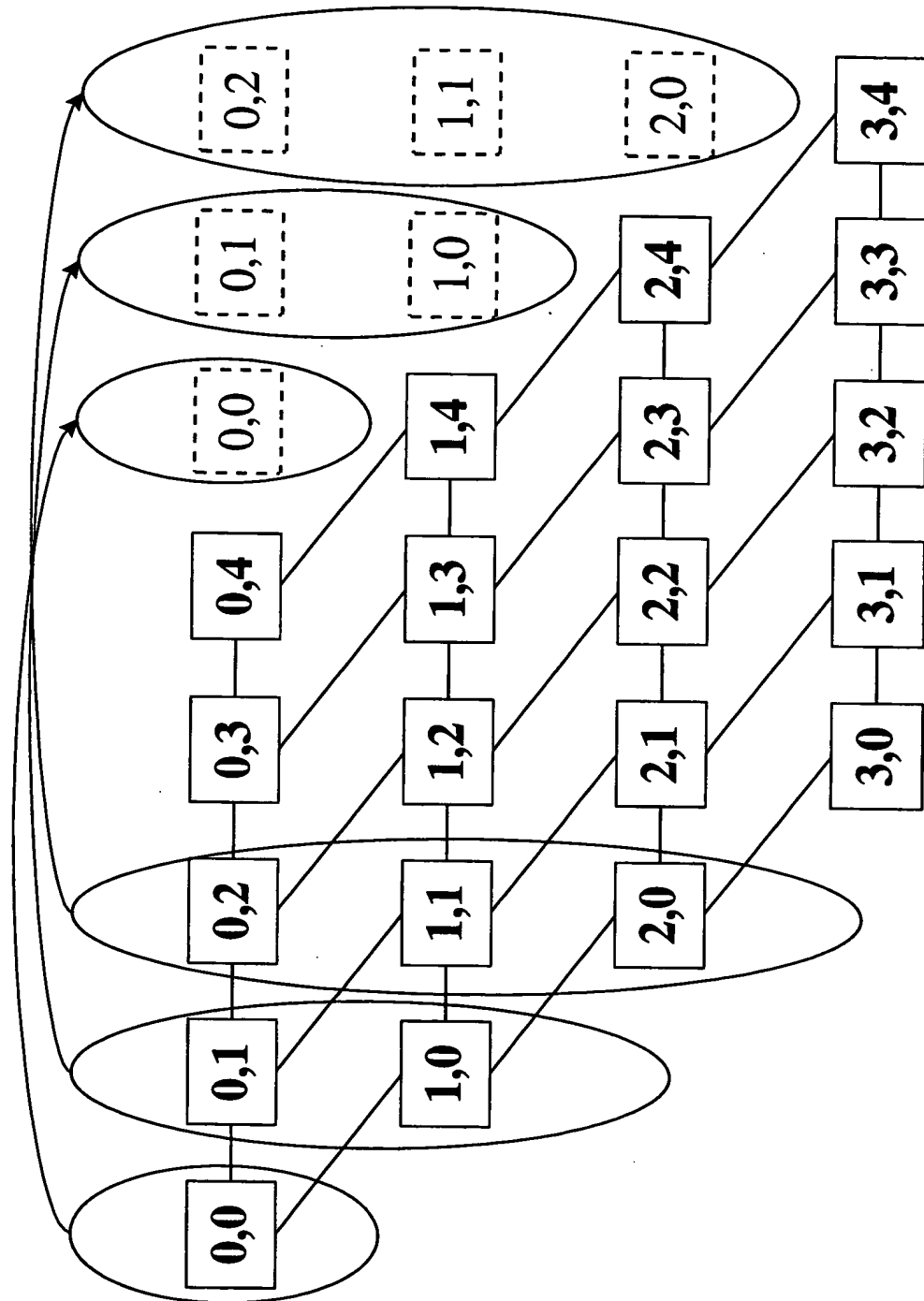


FIG. 13

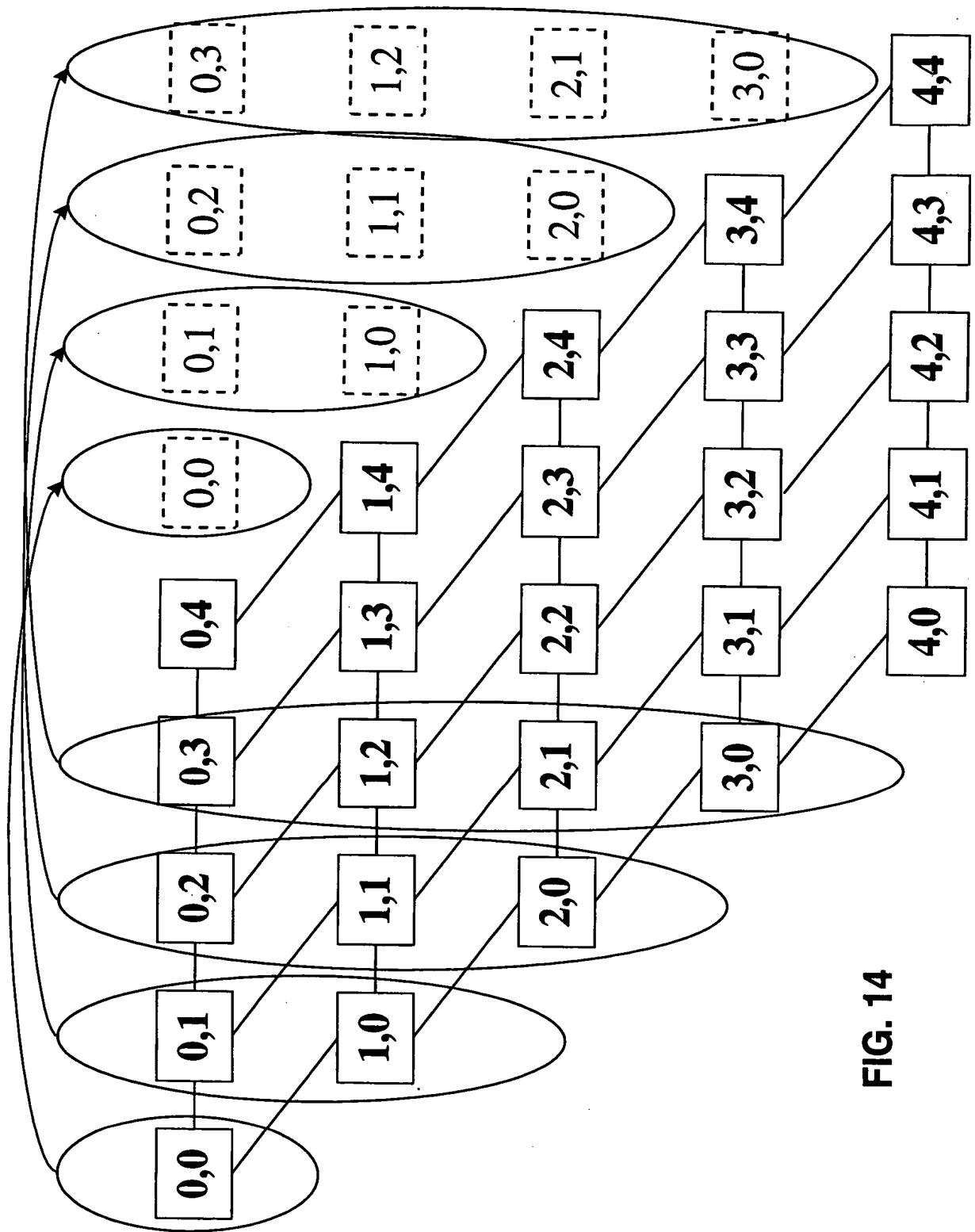


FIG. 14

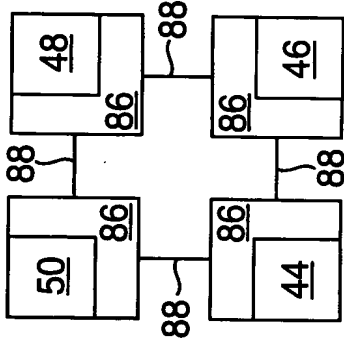
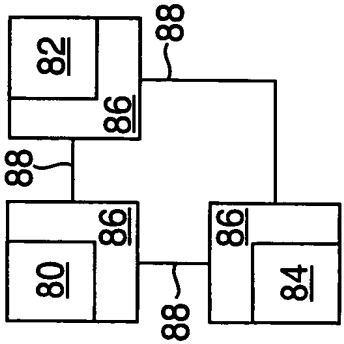


FIG. 15B

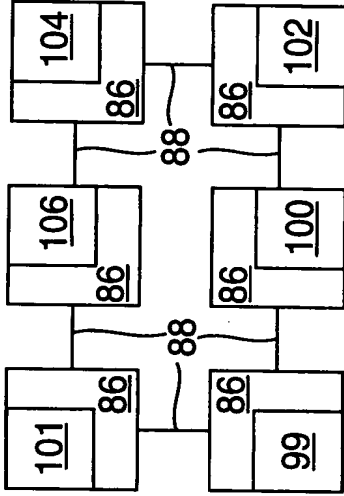
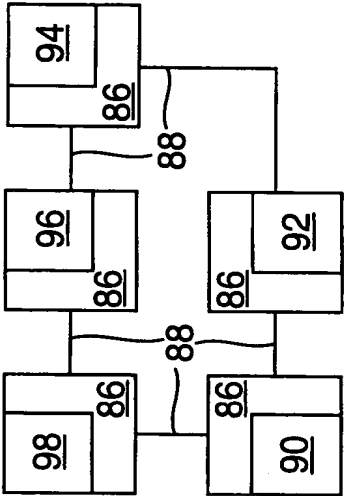
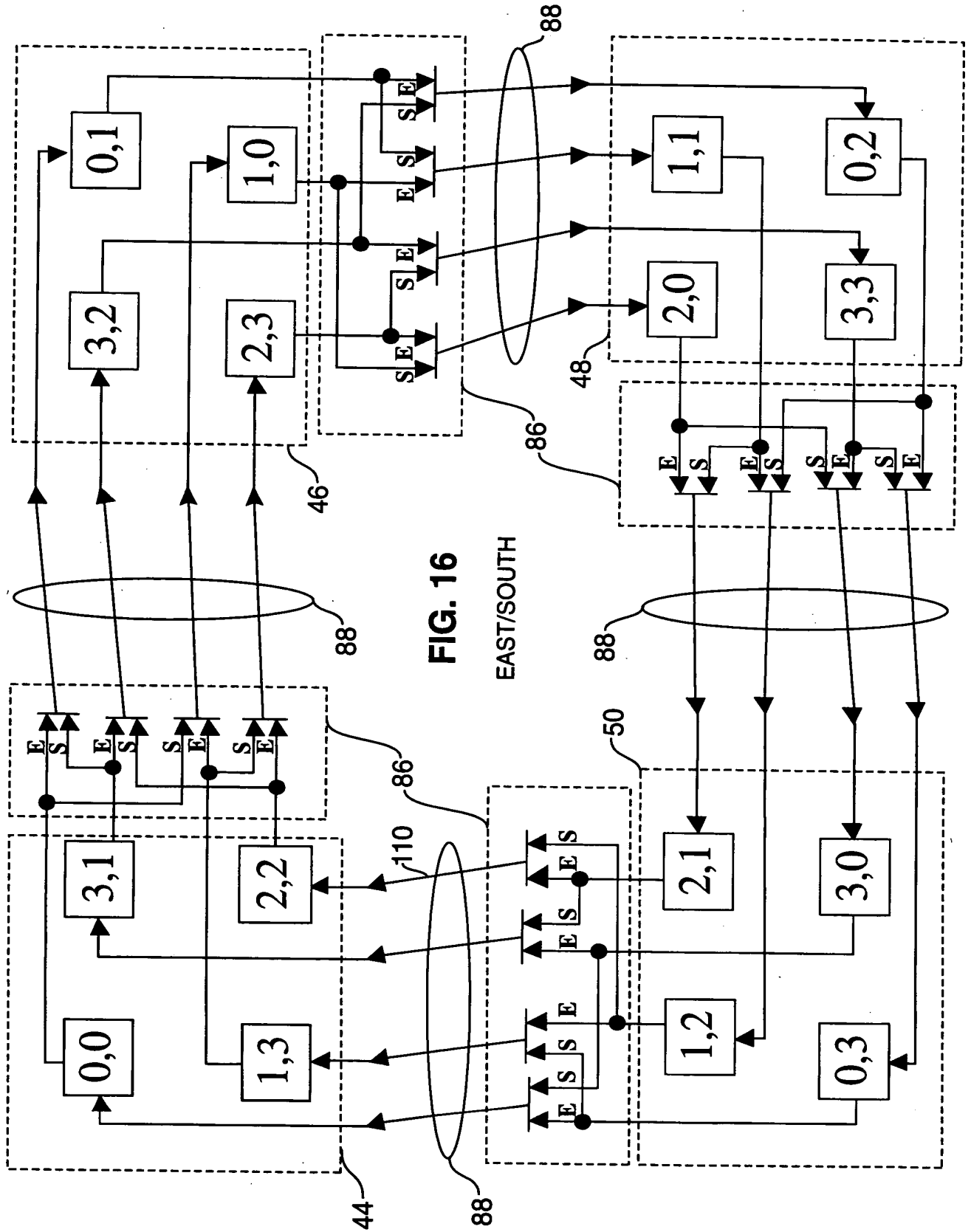
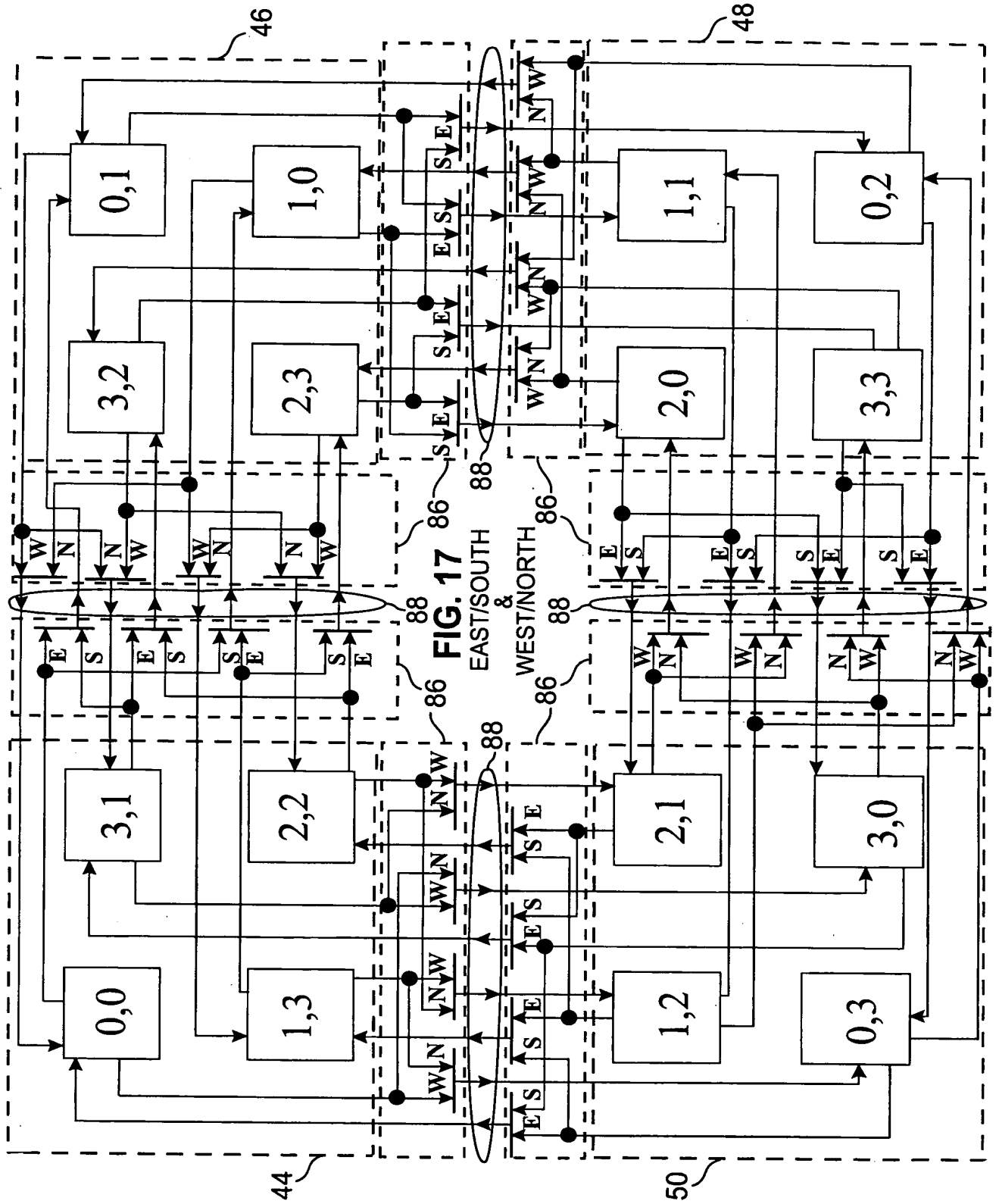
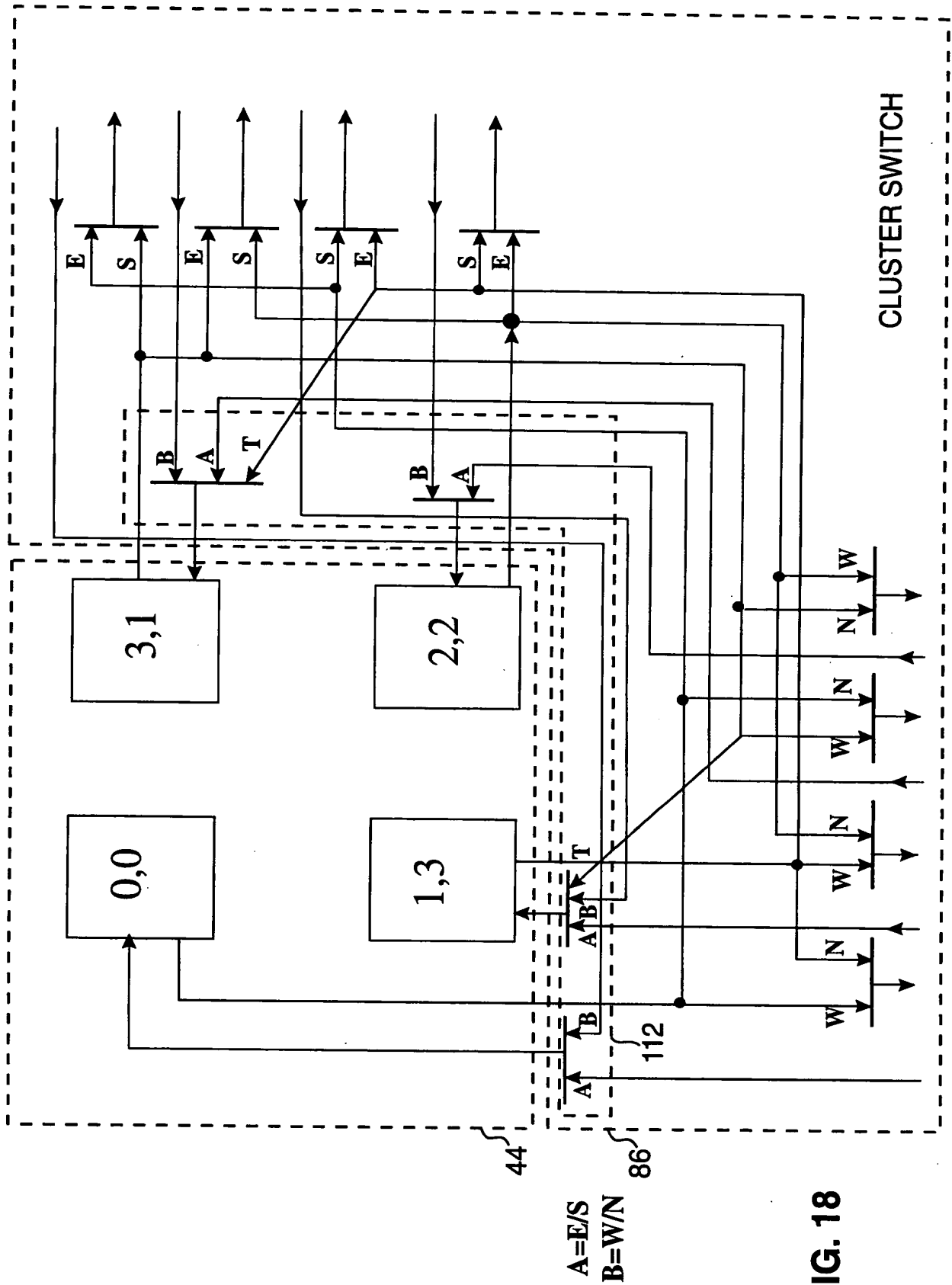


FIG. 15D





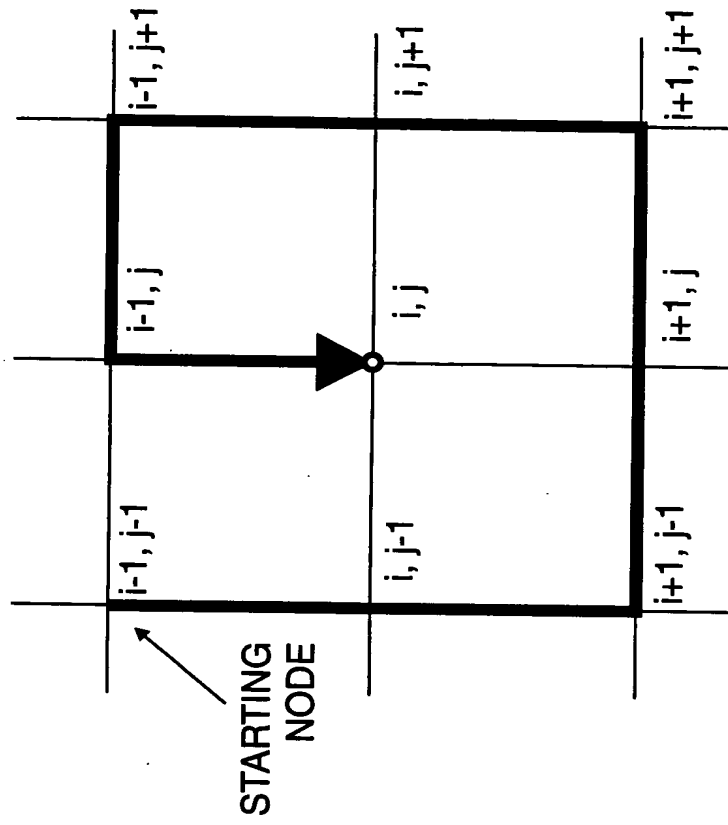




**FIG. 18**

$W_{0,0}$     $W_{0,1}$     $W_{0,2}$   
 $W_{1,0}$     $W_{1,1}$     $W_{1,2}$   
 $W_{2,0}$     $W_{2,1}$     $W_{2,2}$   
 CONVOLUTION WINDOW

**FIG. 19A**



CONVOLUTION PATH FOR NODE  $i, j$

**FIG. 19B**

P0,0 P0,1 P0,2 P0,3 P0,4 P0,5 P0,6 P0,7

P1,0

P2,0

P3,0

P4,0

P5,0

P6,0

P7,0

P4,4 P4,5 P4,6 P4,7

P5,4 P5,5 P5,6 P5,7

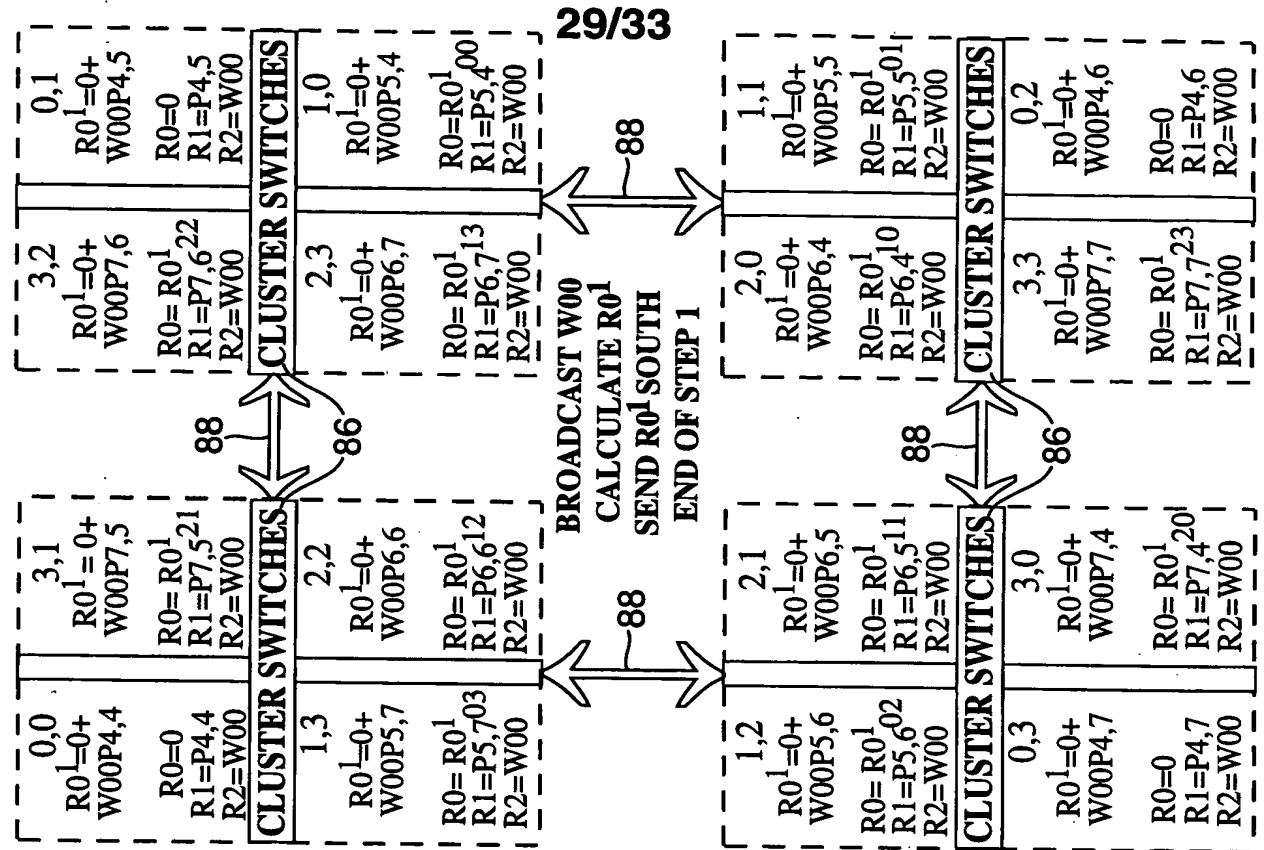
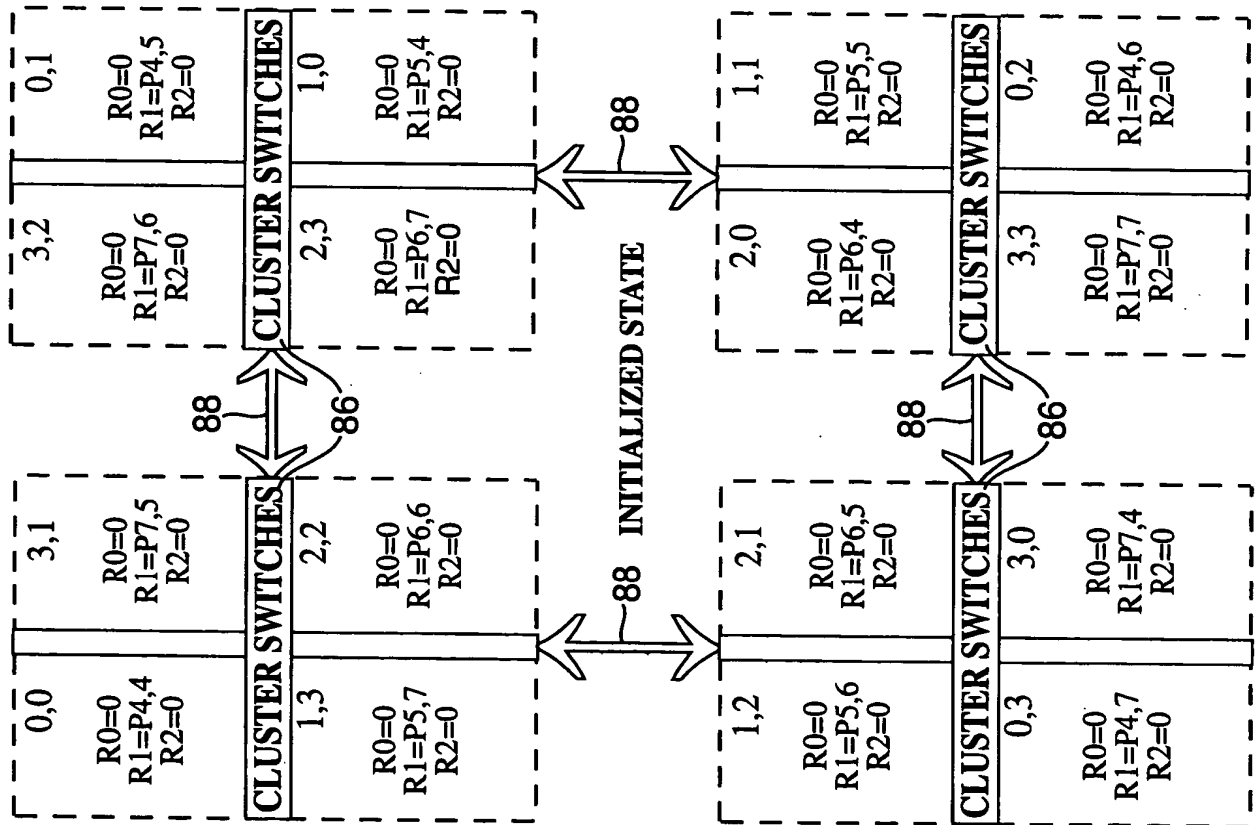
P6,4 P6,5 P6,6 P6,7

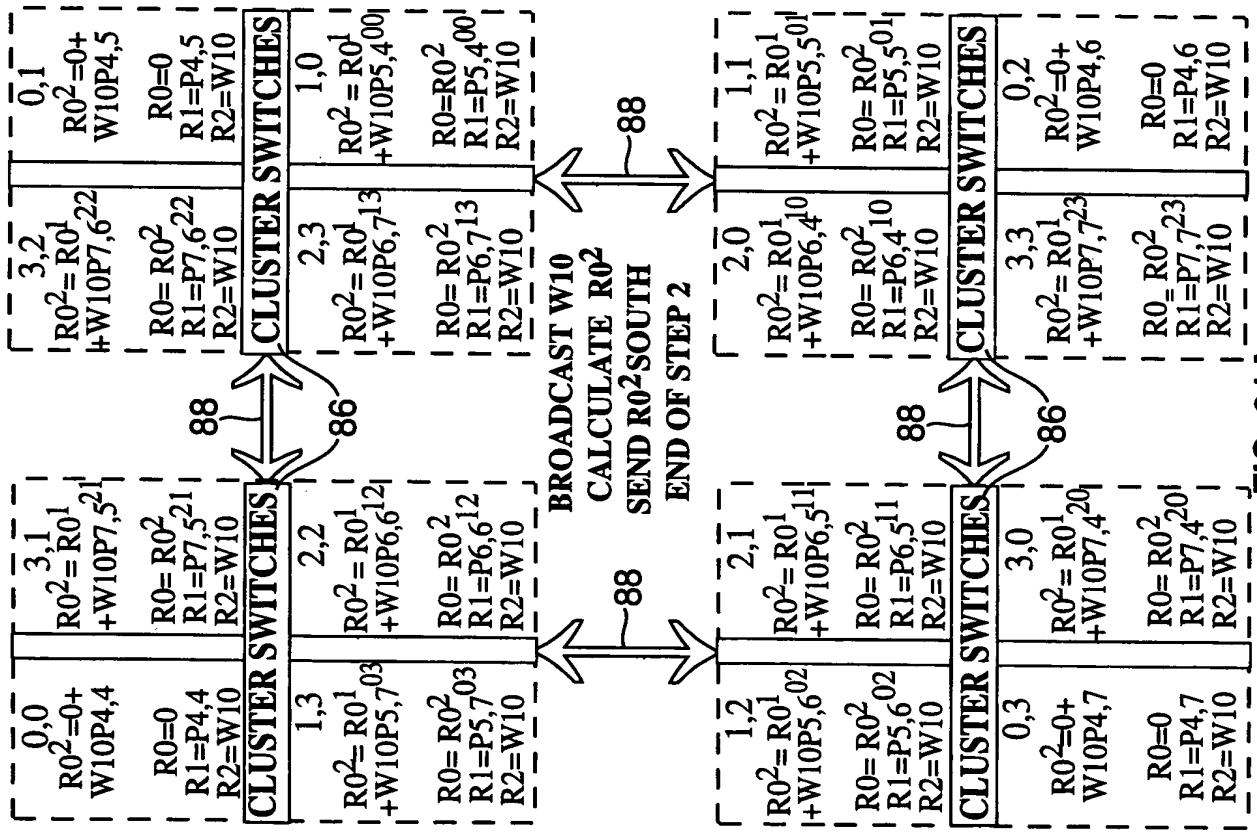
P7,4 P7,5 P7,6 P7,7

0,0 P4,4	0,1 P4,5	0,2 P4,6	0,3 P4,7
1,0 P5,4	1,1 P5,5	1,2 P5,6	1,3 P5,7
2,0 P6,4	2,1 P6,5	2,2 P6,6	2,3 P6,7
3,0 P7,4	3,1 P7,5	3,2 P7,6	3,3 P7,7

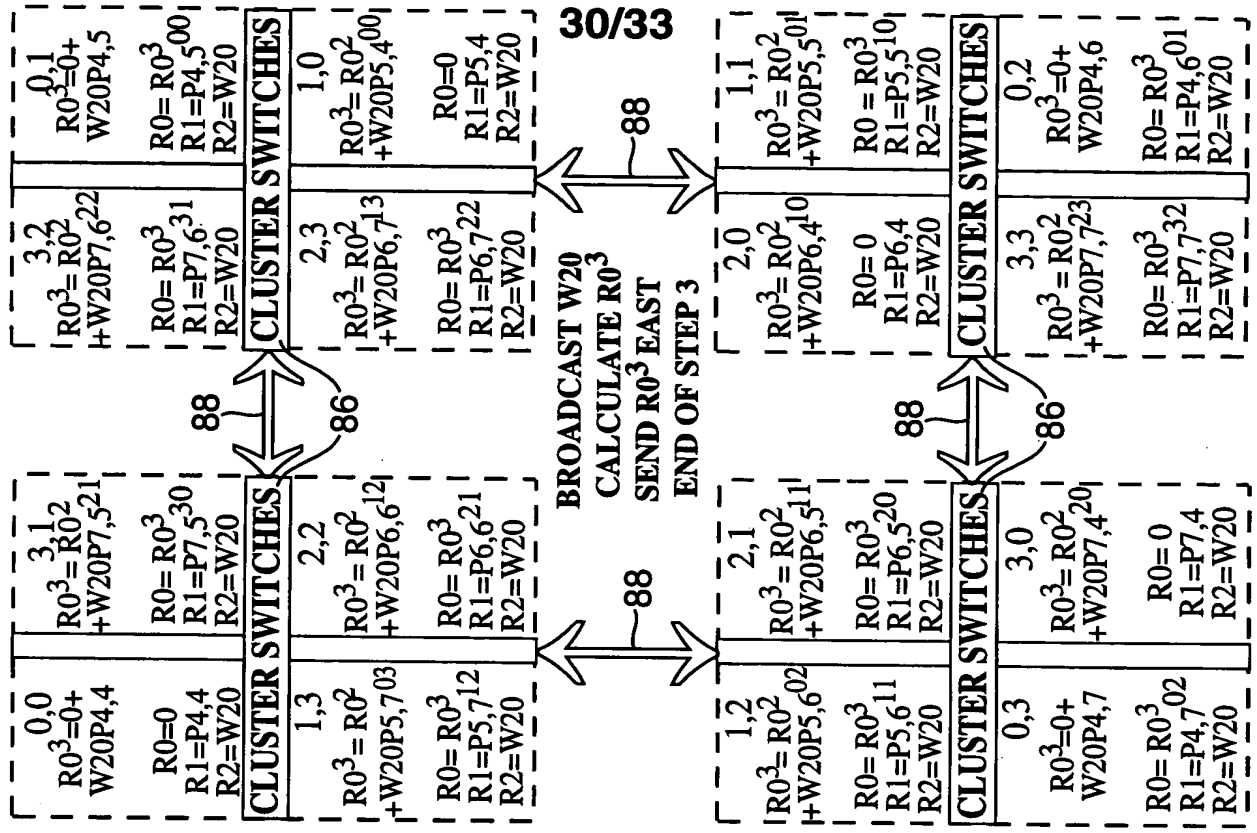
FIG. 19D

FIG. 19C

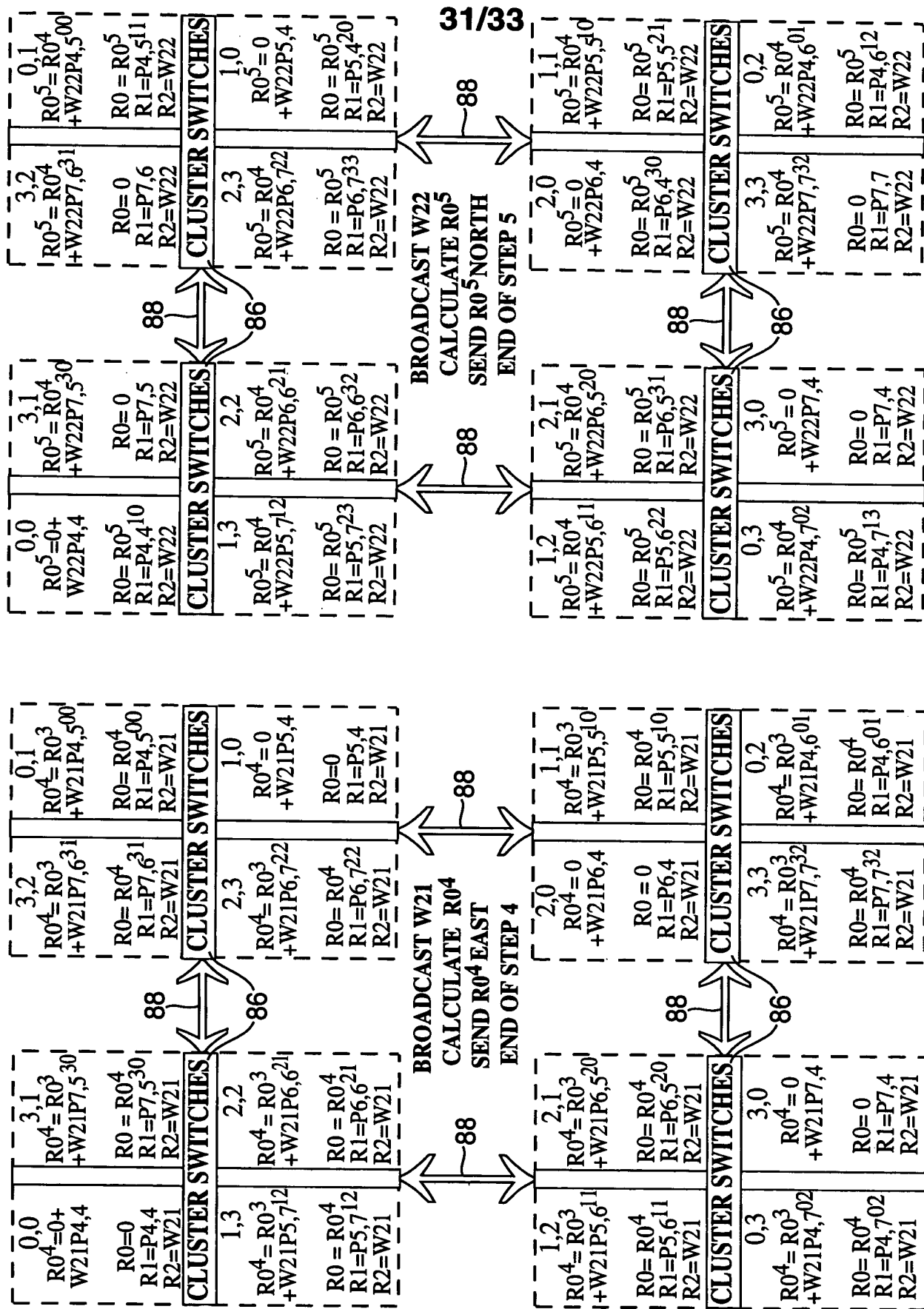




**FIG. 21A**

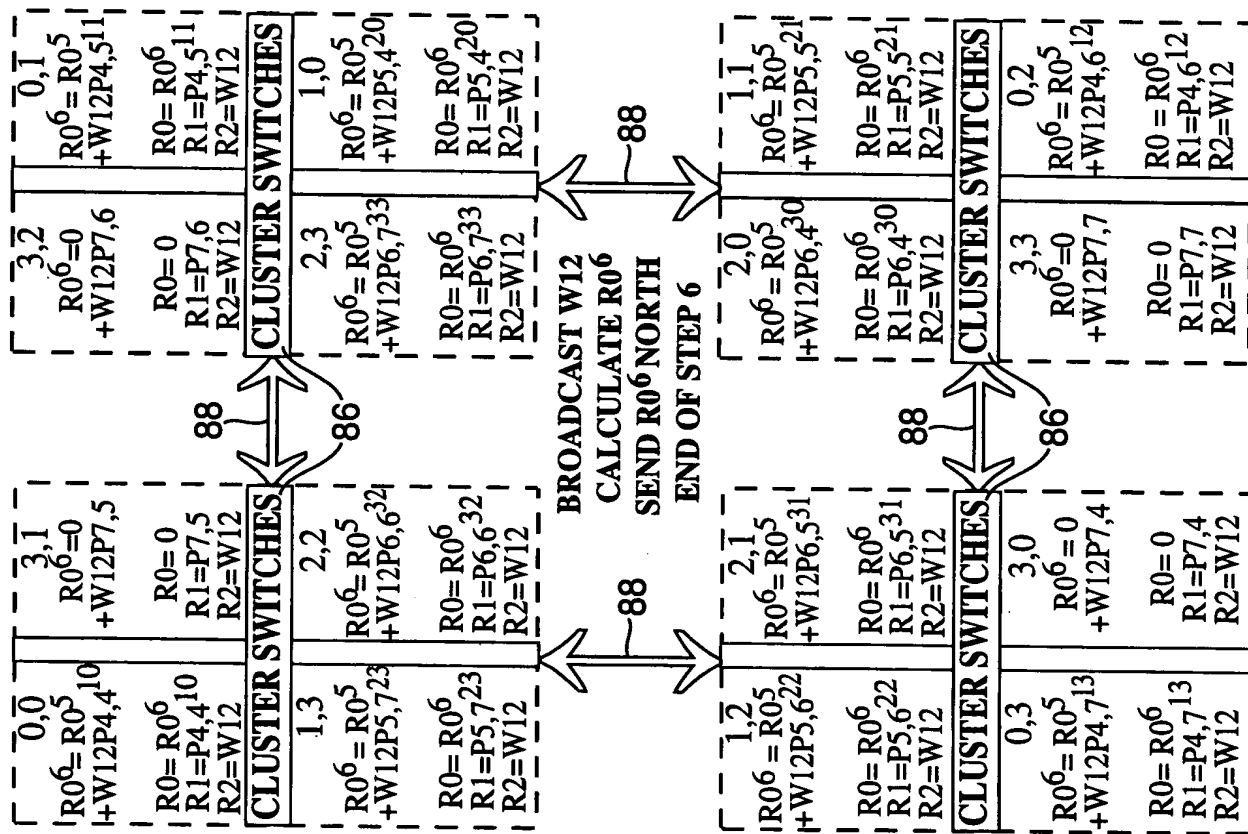


**FIG. 21B**

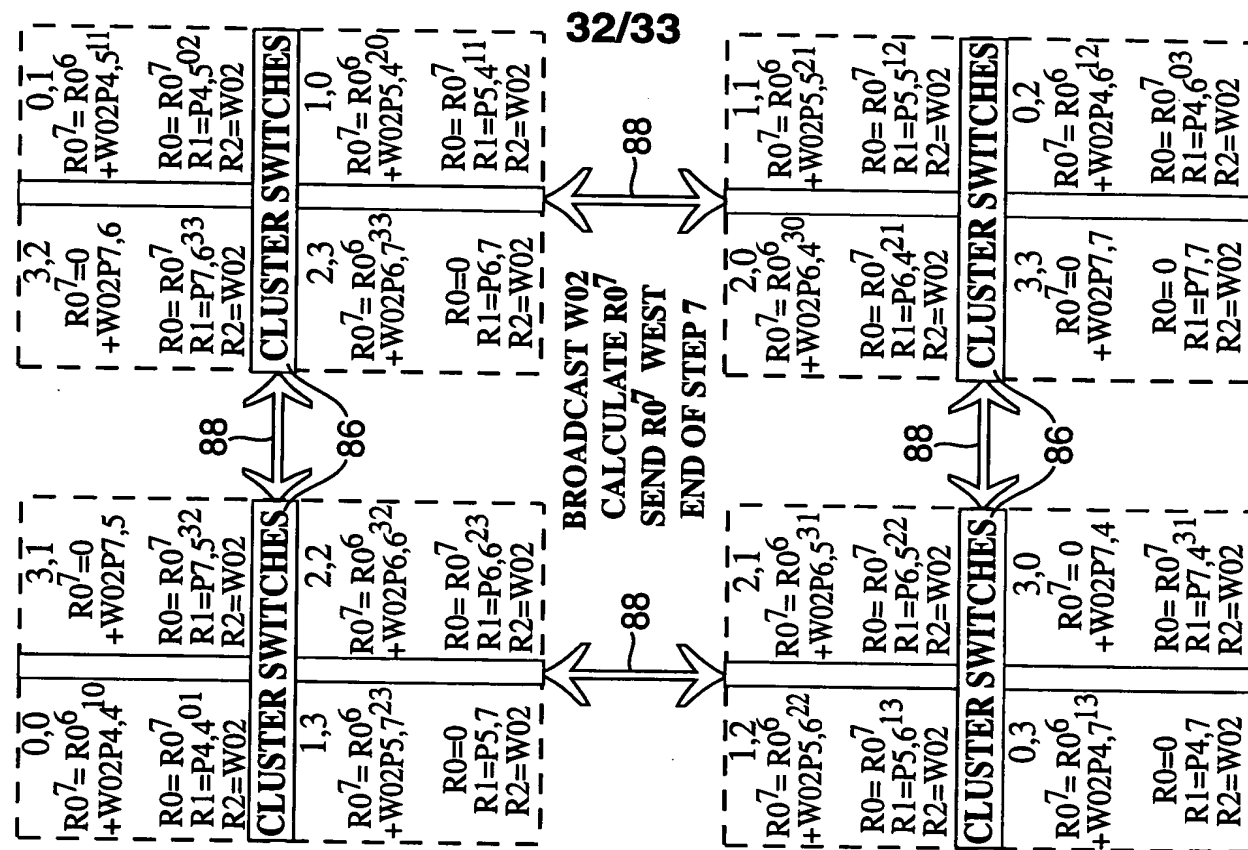


**FIG. 22B**

**FIG. 22A**



**FIG. 23A**



**FIG. 23B**



